

From qrp-1@lehigh.edu Sun Jun 4 00:23:07 1995
Message-Id: <Pine.3.89.9506032047.A543564918-01000000@utkvx.utk.edu>
From: cebik@UTKVBX.UTCC.UTK.EDU
Subject: 12-volt thanks
Date: Sat, 3 Jun 1995 20:23:07 EDT

THanks to all who sent me input in the question of sealed lead-acid batteries. Think I am now oriented well enough not to do something too stupid. Appreciate the help.

-73-
LB, W4RNL
former AC user

From qrp-1@lehigh.edu Sat Jun 3 23:05:17 1995
Message-Id: <01HR9S6S3K428WWV9S@nova.wright.edu>
From: NYOUNG@nova.wright.edu
Subject: dedicated usage QRP
Date: Sat, 3 Jun 1995 19:05:17 EDT

Well, it took 15 years and one blow up to kill it, but I think my TR7 just puked. I get output only on 160-40 and then very weak. The ALC light doesn't light too fast on 40 and it doesn't even get close on 20, 15 or 10. I checked the output of the upconverter board and it's reasonably level (without a real rf mv meter, it's kinda hard to tell) and the output of the predriver is pretty level across the bands. But the output of the amp board decreases as frequency increases. So I figure it's got some really weird stuff going on at least in the input to the LPF on output. I'm gonna check the bypass stuff on the power line of the pa board next and then.... maybe I should have done this first, except that it doesn't show up on other radios run of the supply: check the PS boxfirst.... oh, well, I'll look at the bypasses and then give myself a shock.

Damn nice thing I have the Argosy, ain't it? And the Howes 30m radio and 40m radio. Hmm.... could this be a message from another dimension. Or dementian? Hmmm.... maybe both. Those little fish don't come out of the lights like they used to. Must be the filter caps. They won't wear the little caps any more. No, not the fish. Those little people in Iowa who make the tortillas that you can't find in the store. Your mother knows about 'em. They were there and now it's not so good any more. Yesterday the license plate on the car wanted a new color of eye shadow.

Who needs a radio when I can hallucinate like that?

73
Nils
WB8IJN &c

From qrp-1@lehigh.edu Sat Jun 3 14:04:23 1995
Message-Id: <199506031403.HAA25976@mailhost.primenet.com>
From: aa7qy@primenet.com (Roger Hightower)
Subject: Forwarding of msg for info
Date: Sat, 3 Jun 1995 10:04:23 EDT

I thought I would forward this for information....maybe someone of you will be fortunate enough to be able to attend. 73, de Roger AA7QY.

>X-UIDL: 802187680.001
>X-Sender: rgeog@gpo.iol.ie (Unverified)
>Date: Sat, 3 Jun 1995 13:42:01 +0000
>To: aa7qy@primenet.com
>From: rgeog@iol.ie (Rory Geoghegan)
>
>Dear Roger,
>
>I spotted your name on WWW. Congratulations on acquiring the QRP Plus. On
>this side of the Atlantic they are extremely rare birds. I've yet to see
>one myself! I also want to tell you and through you (hopefully!) of an
>event being organised here in Dublin at the end of August. You may have
>seen mention of the QRP Week being held here from August 28 - September 2.
>It is being organised by the Marino Institute in association with George
>Dobbs, G3RJV.
>
>The idea is that QRP people who may want to visit Ireland at the end of the
>Summer will have a location here to share ideas with. Already quite a
>number of people are signed up, some from the U.S. There are presentations
>from George and others, an active special event station, a construction
>Master Class with George in a fully equipped electronics lab. The
>accommodations are provided at the Institute. There will be Shack and
>General Sessions each night during the week. In addition, there
>opportunities to explore Dublin and the surrounding district.
>
>Incidentally, George is bringing a QRP Plus with him that he has had as a
>review machine for the GQRP Club.
>
>Spread the word about this event. Look up the ad in SPRAT!
>

>In any case, give me a call if you got this message. I'm new to the
>Internet and still feeling my way.
>
>73s de Donal EI8EIB c/o rgeog@iol.ie
>
>
>
>
aa7qy@primenet.com rhigh@aztec.asu.edu Ham Radio: AA7QY@KC7Y.AZ.USA.NA

From qrp-l@lehigh.edu Sat Jun 3 23:24:29 1995
Message-Id: <Pine.SUN.3.91.950603171427.15270A-100000@ume>
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: hw9 experience needed
Date: Sat, 3 Jun 1995 19:24:29 EDT

Its raining here today so the sailplane stays in the box.
No thunderstorms , just a low pressure system so I thought I might devote
some time to 30 meter propogation study. No sun spots, flux less than
75, A index 14, K index 2.....coronal hole is still having its effects
three days later. Not much to hear so I decide to finally play around
with my recently built HW9.

I note that the S meter is REALLY cheap....ie, S6 on my icom is S0 on the
HW9 but both just as loud and easy to copy. Is this normal for an HW 9 or
should I be changing the current limiting resistor R331?
(I double checked all the settings as per manual BTW)

Next question: I can get the 4 to 5 watts out but this requires the CW
to be set pinning the needle. That is, unlike the instructions, as I turn
up the cw level the needle does not stop moving on the scale. If I leave
it at a maximum of 40 as per manual I barely get 1 watt out.
Is this the same current limiting resistor that I need to look at or what?

Thanks for your help, If I keep this up I may learn a few things yet!

(In the meantime, will finish my fox xtal rig....no s meter to worry
about ;-)

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Email: zabrodsk@med.ucalgary.ca	*	NorCal 519 ARCI 7650 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276	*	"Power is no substitute for skill"

From qrp-1@lehigh.edu Sun Jun 4 00:06:13 1995
Message-Id: <1995Jun03.200409.11843@wb3ffv.ampr.org>
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: K5F0 MOSFETs: need info
Date: Sat, 3 Jun 1995 20:06:13 EDT

I got some of those three-for-a-buck MOSFETs from K5F0 when he was up here, but can't seem to find any info on them. He gave me the Motorola part number and I looked them up in current and old Motorola books, and can't seem to find anything on them, or at least nothing that has that sort of package. He mentioned that someone had put some info and ASCII art on the list a while back--can anyone supply me with that? Sure hate to have a handful of MOSFETs gathering dust :-)

73 and Queue Our Pea DE WA8MCQ

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Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
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The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Sun Jun 4 00:10:19 1995
Message-Id: <1995Jun03.200900.11843@wb3ffv.ampr.org>
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: May QEX?
Date: Sat, 3 Jun 1995 20:10:19 EDT

I was told by a very reliable inside source that the May issue of QEX would have an article by Wes Hayward, W7ZOI. Unfortunately, my local ham store never got its supply of the May QEX--about once a year they get lost in transit somehow, and for 1995 it was the May issue. Can anyone send me a copy of the W7ZOI article that was supposed to be there? If willing to do it, please let me know by e-mail before sending anything, in case I get flooded with offers; I'd hate to have to pay ten people for copying costs :-)

BTW, it's perfectly legal to copy QEX, and even to reprint material from it as long as the source and author are credited. The little copyright statement up front says so, and I once asked the editor to absolutely sure I wasn't misinterpreting it. (Note--this is NOT the case with QST, just QEX--to reprint things from QST you must ask permission first.)

73 and Queue Our Pea DE WA8MCQ

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From qrp-1@lehigh.edu Sat Jun 3 23:52:06 1995
Message-Id: <199506032351.TAA27133@detroit.freenet.org>
From: af514@detroit.freenet.org (Hank Kohl)
Subject: MI QRP Club - Questions/problems
Date: Sat, 3 Jun 1995 19:52:06 EDT

If anyone has any questions and/or problems regarding MI QRP Club - please e-mail me direct and I will confirm that I got your e-mail and get back to you with an answer.

Any problems with The 5 Watter (T5W) subscriptions?

We can't put them in an envelope or plastic bag, BUT if you get one that went through the USPO's "ripper, tearer, shredder, bender - we will replace it.

Any thing you would like to see MI QRP Club do?

Won't say the Club will do it, but any and all ideas will be given serious consideration.

Want to write an article for T5W?

Write, call or e-mail our editor Robin, NI9R, at either NI9R@aol.com or her MQRPeDitor@aol.com You might even get your picture in the T5W!

The Board of Directors of MI QRP Club

KD8FR@aol.com	Lowell KD8FR	President
af514@detroit.freenet.org	Hank K8DD	Vice President
BuckN8CQA@aol.com	Buck N8CQA	Secretary/contest
	Stan AC8W	Treasurer
	Buck and I will relay anything for Stan until we can get him on here!	

73 Hank K8DD KB8ZLO - Club Call for MI QRP Club Chapter II

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/*
/* email af514@detroit.freenet.org

/* call k8dd hank port huron, mi
/*

From qrp-1@lehigh.edu Sun Jun 4 00:04:40 1995
Message-Id: <1995Jun03.200221.11843@wb3ffv.ampr.org>
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: QRP History: W7OE and PARG
Date: Sat, 3 Jun 1995 20:04:40 EDT

Any old timers out there remember W7OE, Howard Pyle, and the Pacific Amateur Radio Group? He was a quite famous QRPer and writer back then (now deceased for many years), and he eventually formed PARG as a splinter group from the QRP ARCI. Those were the bad old 100 watt days of the "QRP" club, before it turned its focus to what we now know as true QRP (ie, at the 5W and under level), and Howard formed a group out on the west coast aimed at true QRP. It was one of the very earliest true QRP clubs in existence.

I remember that they had contest to work members from time to time (I was a member, though in 8-land), and I even won two prizes in their contests :-)

Does anyone out there have any memories of this organization? Or even some of their old newsletters? I'm interested in writing an article on all of it, as an interesting part of the history of QRP, one which I think few people remember, and of which nothing is ever seen in print. If anyone can help, please let me know! 73 and Queue Our Pea DE WA8MCQ
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Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
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From qrp-1@lehigh.edu Sat Jun 3 13:33:00 1995
Message-Id: <1995Jun03.093136.2261@wb3ffv.ampr.org>
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Report on K5FO visit to MD
Date: Sat, 3 Jun 1995 09:33:00 EDT

We finally got together with Chuck Adams in Maryland! As you may recall, the previous chapter ended with no one meeting anyone; the last time he came to town Chuck sent several messages with dates and

details, both before and during his trip, and none of them trickled through until AFTER he left town, due to problems with the SGI e-mail system. This time things went much more smoothly, except for a last-minute hotel change, but that caused barely a ripple. On May 30, a delegation of the Maryland Milliwatts successfully picked up K5FO from his hotel and took him to supper.

Happily, the group wasn't attacked by QRO terrorists between the hotel and restaurant and back again, otherwise the effect on the QRP ARCI and QRP Quarterly would have been substantial, to say nothing of NorTex QRP and qrp-1! Between Chuck and the 4 of us (W8MCQ, K3TKS, W03B and W6TOY) we had a vice president, awards manager, net manager, 2 columnists, a future columnist (whose first effort will probably appear in the Oct issue), and two Directors, to say nothing of two People Who Should Be Writing Regular Columns But Aren't Doing It Right Now. There wasn't a "civilian" in the place! (The numbers don't add up since some of us wear multiple hats.) We might consider hiring a bodyguard next time :-)

W03B is the future columnist; I was going to start a milliwatting column, and already submitted the first one (not yet printed), but then realized I might be extending myself too much and talked him into taking it over.

Chuck had asked me to bring along the only remaining \$10 RA-50 bargain-attenuator from Dayton so he could buy it (he rejected my offer at Dayton and later regretted it), and promised me that he'd buy my supper as a reward for doing it. Fortunately for him I had been quite sick for several days and still couldn't eat anything solid, so he got off cheap--the cost of a single 7-Up. Since the attenuator was back on my home turf, where I could take it to work and play with it, he got something the 7 who bought them from me at Dayton didn't get with theirs--a complete calibration chart of all positions, done at DC (per my recent QRP Quarterly article) along with a printout of a network analyzer scan of its response from 1 MHz to 2 GHz in several positions.

W03B had to leave after supper, but the rest of us retired to Chucks room for a few more hours of QRP Camaraderie. He brought along some of those 3-for-a-buck MOSFETs to sell, and I traded several of my 60 cent Mini Circuits TFM-2 double balanced mixers for some. Those are the mixers that I got from N0OCT, a previous guest of the Maryland Milliwatts. Several months ago, Jim mentioned on the list that he found a local store with a large quantity of TFM-2 DBMs (which are the same size as the TUF-1) for sale dirt cheap, at 50 cents each. Apparently I was the only one who really noticed and called his bluff--they couldn't be THAT cheap! I asked him to mail me 60, which he did, and I sold them at my cost to friends locally.

I later ordered another 60 and did the same, though I had to jack the price up to 60 cents this time--rampant profiteering! At Dayton I told G3RJV about it and he was interested--bargain mixers are apparently quite rare in the UK, as are what we would call "reasonably priced" mixers--but when N0OCT went back to the store on Georges behalf he found the owner had decided he was sitting on a gold mine and had raised them to \$2 each.

Needless to say, I immediately halted all sales (except to Chuck) and am holding onto the last two dozen for my own use! The usual QRPers dictum applies: jump on the really great deals fast and hard before they evaporate! (Every last one of the mixers tested good on my DBM test jig--another future article for the QRP Quarterly.)

Chuck also showed off his Small Wonders Lab rig in the case that NN1G supplies at extra charge--a neat looking radio indeed! He lamented the fact that the architect who designed the hotel had made the windows not only permanently sealed, but totally devoid of any screws that he could back out of their holes and stuff a piece of wire through. I came up with an innovative suggestion to utilize the outside air vent feature of the air conditioning unit to gain access to the great outdoors, but I wasn't about to stick MY hand inside the thing and try to find the magic path!

Current score: Maryland Milliwatts 3 (N0OCT, KA1CV, K5F0), Cruel Fate 1 (botched meeting with K5F0 several months ago). If anyone else is planning on coming to the Washington DC/Baltimore area in the future, be sure to put the word out on the list and the Maryland Milliwatts will be more than glad to send a delegation to wine and dine you!

73 and Queue Our Pea DE WA8MCQ

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From qrp-1@lehigh.edu Sat Jun 3 20:20:52 1995
Message-Id: <9506032031.AA16187@asp.vet.purdue.edu>
From: bfinch@asp.vet.purdue.edu (Robert Finch)
Subject: throne power test
Date: Sat, 3 Jun 1995 16:20:52 EDT

apparently my long reply to all of the e-mail
(which is alot) on my throne power posting
got scrambled and/or lost.....so.....
i will repost sometime in the next 24 hours or so
...till then....ttfn es 72....baab, n6cxb

From qrp-1@lehigh.edu Sat Jun 3 19:40:20 1995
Message-Id: <Pine.3.89.9506031259.A20905-0100000@netcom23>
From: patrick cook <kb0oxd@netcom.com>
Subject: Using HF SSB on a Bike Tour (fwd)
Date: Sat, 3 Jun 1995 15:40:20 EDT

Hi Gang:

Pulled this off the bikeham listserver (which I'm sure many of you
receive). However, for those who don't, and since this involves QRP
operation, I thought this might be of some interest.

73's for now, my friends!

DE KB00XD

----- Forwarded message -----
Date: Fri, 2 Jun 95 19:01:56 PST
From: John Liebenrood <k7ro@teleport.com>
To: bikeham@cycling.org
Subject: Using HF SSB on a Bike Tour

John Liebenrood
1650 NW 130 Ave
Portland, Oregon 97229
K7RO 1-503-626-7745

I submitted this to Alley / BMHA in Sept 94 but it never
made it in to the newsletter.....

Written SEPT 1994

QRP SSB: Pedal the Peaks of Colorado

This year's Pedal the Peaks bike tour

attracted cyclists from forty different states. Of the five hundred riders, three hundred were from outside the state of Colorado. The youngest rider was fourteen years old; the oldest was a 62 year old grandmother. I appeared to be the only ham. With all the high altitude climbing involved I resisted hauling a 2 meter handheld or mini QRP HF transceiver on my road bike. But I did I want to contact my ham friends back in Portland Oregon. I took a single band 20 meter 20w pep single sideband transceiver to operate from camp each night. On week long bike tours I've found operating low power single sideband to be a lot more fun than pounding out the usual CW QSO exchange. Consider trying QRP single sideband, I think you'll be hooked if you do give it a try. Commercial QRP single sideband rigs are available: Ten Tec Scout (5lbs), Tokyo Hy-Power HT-750(1.8lb), and Mizuho (1.5lb). MFJ will soon offer a SSB version of the MFJ 9020. For homebrewers, N8ET is now selling T2 / R2 kits if you'd like to build a HF SSB rig. Another excellent compact SSB rig is the Epiphyte, Derry Spittle VE7QK published a construction article in the Sept 94 issue of the Northern California QRP Club journal. More than twenty Epiphytes have been built. This \$50 single circuit board rig is only 5" by 4" and works like a champ. Give a listen to the British Columbia Public Service Net on 3729KHz at 8pm PST, lots of Epiphyte users check into the net.

The Pedal the Peaks Bike Tour started on August 6th, 94 in the town of Gunnison, near the center of the state of Colorado. During the next 6 days the tour traveled 450 miles, making stops in Lake City, South Fork, Durango, Ouray and then back to Gunnison. A typical day started early. Most riders were on the road by seven am to insure finishing ahead of the possible late afternoon thunder showers. As do most commercial bike tours, they haul your camp gear, provide meals and food stops along the route.

Two days covered 100miles, the over three days covered 60 to 80 miles. The toughest day, but one of the most thrilling, was between Durango and Ouray. This day included 3 mountain passes for a total of 7200 vertical feet of climbing. I was glad the next day was a rest day! On one of the days off I rode a spectacular narrow gauge train

ride between Durango and Silverton. The second day off was in the town of Orua. I and 3 other cyclists rented a jeep for the day. We bounced our way over some very narrow precarious gravel roads.

I had high hopes of contacting my fellow hams in Portland Oregon from my camp site each night. I took a battery powered homebrew 20 meter HF single sideband transceiver, a simple 20m wire dipole, two 12V 2amp/hour lead-acid batteries, and a homebrew QRP SWR meter. The 20m SSB transceiver is about the size of a large 2m handheld. The design was published by KK7B in QST April 93. The rig generates single sideband using the phasing method, no crystal filters. The receiver is a direct conversion type. At home in Portland Oregon I had great luck with the transceiver. Using a tri-bander at 50 feet does make a difference. I was able to work New Zealand on 20meters with only 10 watts. But operating the rig from the wilds of Coloardo with a simple dipole at 15 feet was a tough going. The band conditions were some what marginal as well. The signal just wasn't strong enough to make consistent contacts each night from camp.

I wanted a simple compact antenna to go along with the QRP transceiver. I choose a dipole. A end-feed long wire is the simplest to erect but you'll need a antenna tuner to load it. I constructed a light weight 20m inverted vee antenna using 30 feet of RG58 coax for a feed line, and #22 gauge wire for the elements. A plastic center insulator keeps the weight down. I was able to use light weight fishing line to string up the antenna each night. Taping the fishing line to a golf ball made it easy to toss the line over a low limb, up 15 or 20 feet. Sixteen pound fishing line is more than adequate to support the antenna for the hour of use each night. Using fishing line allowed me to take down the antenna quickly each night after use, I'd discard the used fishing line. I had a small QRP SWR meter to check power levels and verify SWR. The low power SWR meter is written up in the recent ARRL handbook. Roy W7EL designed it, its quite accurate down to 1watt levels.

You'll need to pick which HF band to operate QRP SSB. My rig only operates on one band, this was done to keep rig compact and light weight. I tried 20m on the bike tour in Colorado. It seemed like the best choice to work back into Portland Oregon. Unfortunately, I found 20m too crowded for QRP. I did manage to make several contacts. I'd recommend using 75m or 40m for QRP SSB. When the solar activity picks back up again 17m, 15m and 10m will be excellent as well. In the mean time 75m in the evening or 40m in the afternoon and early evening should work fine.

During another bike tour in the Fall of 1993 I did operate QRP 75m SSB. This week long bike tour covered 420 miles in Eastern Oregon. I took along a a similar home-brew HF 20 watt SSB transceiver for 75m. Even with a 75m dipole strung up only 15 feet off the ground I didn't have any trouble making a constant string of contacts, one after another. Reports of S9 plus 10 to 20dB were common. I spent several late evenings lying in my down sleeping bag chatting away on 75m. I was enjoying the radio as much as the cycling. You'd often find my tent pitched near a flag pole or football field goal post. Flag poles make great antenna supports, set-up and take down would be done in minutes.

If you'd like to reach the Pedal the Peaks Tour directors, try 1-800-795-0898 or 1-303- 979-7600. Pedal the Peaks Tour offers tours in Colorado and New Mexico, they may add a tour in Montana in 95. The 7 day tour costs \$325.

I often check into the BMHA 20m (14.253MHz) net of the 1st and 3rd Sundays of the month. I encourage you to check in. Lots of information about operating 2meter and HF from a bike is shared on the net.

John Liebenrood K7RO

InterNet address: k7ro@teleport.com
503-626-7745

John Liebenrood		Bicycle Mobile Hams
k7ro@teleport.com	__o	of America
Portland, Oregon	_`\<,	17m/40m QRP SSB
... ..	(*)/(*)	